



current second paragraph beginning with the words, "The invention has been shown, described, and illustrated...".

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The inside radius 34 of each of the tines 20 intermediate the two patches 30 of contact includes an arc as an inherent part thereof. A straight line connecting any two points of the arc includes a chord. It is noted that the chord of the tines 20 is always disposed on a side of the tines 20 that is closest to the pin 18.

CLAIMS:

Please amend base claims 2, 3, and 4 as follows:

All Remaining Claims:

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2. (currently amended) An electrical contact of the type in which a socket is provided that includes a plurality of tines, each of said plurality of tines adapted to extend radially away from a center, wherein the improvement comprises:

providing an inner arc of each of said plurality of tines that includes a radius that is less than the

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radius of a pin that said contact is adapted to mate with and wherein a ~~secant~~ chord across said inner arc is disposed on a same side of said at least one of said plurality of tines as is said pin.

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3. (currently amended) An electrical contact of the type in which a socket is provided that includes a plurality of tines, each of said plurality of tines adapted to extend radially away from a center, wherein the improvement comprises:

providing at each of said plurality of tines a first stage proximate a base that includes a first inner diameter and a second stage that is disposed at the base at one end thereof and which extends therefrom to a distal end and where the second stage includes a second inner diameter at said one end thereof that is greater than the first inner diameter and where said second stage includes a reverse inner taper whereby the inner diameter of the second stage progressively decreases as it progresses toward said distal end and wherein each tine includes an inner arc that includes a radius that is less than the radius of a pin that said

contact is adapted to mate with and wherein a ~~secant~~
chord across said inner arc is disposed on a same side
of said at least one of said plurality of tines as is
said pin.

4. (currently amended) An electrical contact, comprising:

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(a) a socket;

(b) a plurality of tines disposed in said socket, at
least a portion of each of said tines formed of a high
yield strength of metal;

(c) means for connecting a wire to said socket; and
wherein each tine includes an inner arc that includes a
radius that is less than the radius of a pin that said
contact is adapted to mate with and wherein a ~~secant~~
chord across said inner arc is disposed on a same side
of said at least one of said plurality of tines as is
said pin.

5. (original) The electrical contact of claim 4 wherein each
of said tines includes a first stage and a second stage,

said first stage having a first wall thickness that is thicker than a second wall thickness of said second stage that is disposed proximate to said first stage and which extends therefrom to a tip of each tine.

6. (original) The electrical contact of claim 5 wherein each of said tines of said second stage includes a reverse taper whereby said tines include a first inside diameter at said wall thickness that is greater than the inside diameter of said first stage, and wherein said reverse taper includes progressively smaller inside diameters as said second stage progresses toward said tip.

7. (previously amended) The electrical contact of claim 4 wherein when said pin is inserted into said socket, said plurality of tines extend radially away from a center.

8. (original) The electrical contact of claim 7 wherein each of said plurality of tines is adapted to make contact with said pin along a portion of the longitudinal length of each of said plurality of tines at a pair of edges of said inside

arc proximate a tip of each of said tines when said pin is inserted into said socket.

9. (original) The electrical contact of claim 4 wherein each of said plurality of tines includes a set that is machined therein whereby a tip of each of said plurality of tines is normally disposed closer to a center of said socket when said socket is not mated with a pin than is a second end of each of said plurality of tines that is disposed distally from said tip.

10. (original) The electrical contact of claim 4 wherein each of said plurality of tines includes a first outside diameter that is proximate a tip and a second outside diameter that is greater than said first outside diameter, said second outside diameter being disposed at a distal end from said tip, and wherein each of said plurality of tines includes a progressive increase in the outside diameter from said tip to said distal end.

11. (previously amended) The electrical contact of claim 10 wherein said socket includes a hood having a predetermined